

## Special Issue

# Coastal Hazards Assessment in Cold Regions

### Message from the Guest Editors

Studies on coastal hazards and risks around the world are generally focused on systems not affected by sea ice or other cryogenic processes. Under a changing climate where temperate to high-latitude seas suffer from sea ice and ice foot shrinking, protection against wave energy is weakened and higher risk can be expected during storms. In cold regions, the effects of coastal permafrost thawing, frost processes, storm surge, sea level rise, tsunamis, sea ice, and ice foot needs to be considered in coastal hazards assessments for effective risk reduction and adaptation strategies. In this Special Issue entitled "Coastal Hazards Assessment in Cold Regions" we invite authors to submit papers that address all hazards on coasts seasonally affected by sea ice dynamics, frost action, and other processes in the cryosphere. We also welcome papers focused on risk assessment for coastal communities and infrastructures, as well as adaptation strategies to reduce their vulnerability to coastal hazards in cold regions.

### Guest Editors

Prof. Dr. Pascal Bernatchez

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### Deadline for manuscript submissions

closed (10 September 2021)



## Journal of Marine Science and Engineering

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## About the Journal

### Message from the Editor-in-Chief

*Journal of Marine Science and Engineering (JMSE, ISSN: 2077-1312)* focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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#### Journal Rank:

JCR - Q2 (Oceanography) / CiteScore - Q1 (Ocean Engineering)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.5 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).